

108-40-10600 ROUTE CORRECTION

Stream: 108-40-10600 (cataloged for COp,Pp,DVp)

Watershed: Stikine River-Frontal Stikine Strait

MTRS: C061S082E, Petersburg C-2

Date Surveyed: May 22 and June 3, 2013

Findings: We surveyed stream 108-40-10600 and associated tributaries over the course of two days (Table 1). There are two large culverts under the Mitkof Highway which appear to be recently installed (Figure 1). The stream channel was shifted (Figure 2) and there were large buildups of debris in the outside curves of the creek which is evidence of a recent landslide in the creek. We stopped tracking the creek because the gradient increased and the substrate was large boulders making falls (Figure 3). There was no jumping or holding pools for fish.

Recommendations: Update the route for stream 108-40-10600 in the Anadromous Waters Catalog.

Table 1: 108-40-10600 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
218	56.5537	-132.6439	Intertidal zone of large creek above the road. Mouth of creek is adjacent to large pullout with picnic/camping area.		
219	56.5540	-132.6441		EF	1 CO
220	56.5542	-132.6444		EF	2 RT
221	56.5545	-132.6449	Downstream side of double culvert. 1 culvert looks old and 1 culvert is new. Culvert is ~ 1 ft. high. We electrofished and saw fish but did not catch any.		
222	56.5545	-132.6449	Upstream side of culverts. Both culverts are in great condition with very high velocity.		
223	56.5550	-132.6454		EF	1 CT
224	56.5551	-132.6456	Substrate in this creek is cobble, gravel, and a few boulders. Width ~ 15 ft. Gradual increase in gradient.	EF	2 DV
225	56.5558	-132.6465		EF	1 DV
226	56.5561	-132.6461		EF	1 CT
227	56.5572	-132.6457	Large dry blown out channel on river left.		

228	56.5573	-132.6458	Tributary on river left. It seems to be the new mouth of the blown out channel (WPT. 227). Very small compared to the other channel.		
229	56.5575	-132.6458		EF	1 DV
230	56.5583	-132.6441	Channel has narrowed and transitioned. Into bedrock.	EF	No Fish
231	56.5590	-132.6437	Barrier. Bedrock and steep cascade ~ 12-15 ft. No pools for fish to hold. Appears there was a massive blow-out in the stream in the recent past. Our guess is that is why there are two huge culverts present under the road.		
355	56.5574	-132.6459	Continuing upstream where we left off.		
356	56.5583	-132.6466	Tributary entering river right. Track and electrofish up.		
357	56.5585	-132.6467		EF	1 DV, 1 CT
358	56.5586	-132.6473		EF	1 CT
359	56.5587	-132.6474		EF	2 CT
360	56.5588	-132.6476	Gradient increase and down to bedrock. Nothing but resident CT. Appears to have a highly moveable bed. Thin slate rocks.	EF	1 CT
361	56.5594	-132.6459	Large rock and wood build-up, possible limit fish use upstream.		
362	56.5608	-132.6461	Calling it the top of the mainstem. Major gradient change with large boulders making falls. Right now possible velocity barrier and even more so at high water. No pools in falls for jumping.		



Figure 1: Rick Hoffman standing on the outlet of the culverts.



Figure 3: Rick Hoffman in front of potential velocity barrier.



Figure 2: Old tributary channel that had been rerouted after landslide.

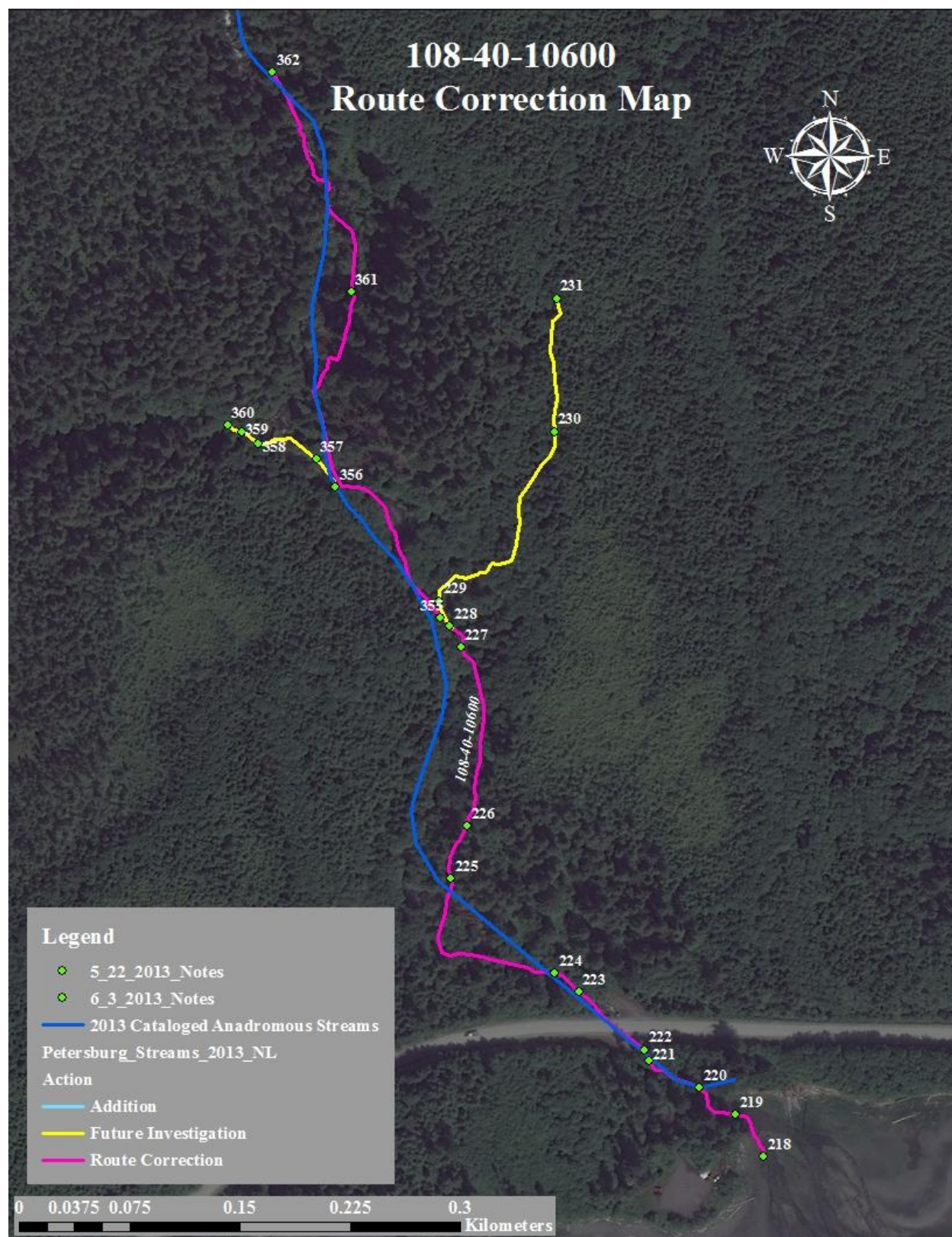


Figure 1: 108-40-10060 route correction map.